

Amendments to the Specification:

On page 56, replace paragraph 31, lines 26-31, with the following:

[31] In another preferred embodiment, the present invention provides a novel method of treating rheumatoid arthritis in a patient comprising: administering a therapeutic radiopharmaceutical ~~of Claim 19 of the invention~~ capable of localizing in new angiogenic vasculature to a patient by injection or infusion.

On page 57, replace paragraph 32, lines 1-5, with the following:

[32] In another preferred embodiment, the present invention provides a novel method of treating cancer in a patient comprising: administering to a patient in need thereof a therapeutic radiopharmaceutical ~~of Claim 19 of the invention~~ by injection or infusion.

On page 56, replace paragraph 33, lines 7-13, with the following:

[33] In another preferred embodiment, the present invention provides a novel method of treating restenosis in a patient comprising: administering to a patient, either systemically or locally, a therapeutic radiopharmaceutical ~~of Claim 19 of the invention~~ capable of localizing in the restenotic area and delivering an effective dose of radiation.

On page 57, replace paragraph 34, lines 15-22, with the following:

[34] In another preferred embodiment, the present invention provides a novel method of imaging therapeutic angiogenesis in a patient comprising: (1) administering a diagnostic radiopharmaceutical, a MRI contrast agent, or a X-ray contrast agent ~~of Claim 11 of the invention~~ to a patient by injection or infusion; (2) imaging the area of the patient wherein the desired formation of new blood vessels is located.

On page 57, replace paragraph 35, lines 24-30, with the following:

[35] In another preferred embodiment, the present invention provides a novel method of imaging atherosclerosis in a patient comprising: (1) administering a diagnostic radiopharmaceutical, a MRI contrast agent, or a X-ray contrast agent ~~of Claim 11 of the invention~~ to a patient by injection or infusion; (2) imaging the area of the patient wherein the atherosclerosis is located.

On page 57, replace paragraph 36, lines 32-38, with the following:

[36] In another preferred embodiment, the present invention provides a novel method of imaging restenosis in a patient comprising: (1) administering a diagnostic radiopharmaceutical, a MRI contrast agent, or a X-ray contrast agent ~~of Claim 11 of the invention~~ to a patient by injection or infusion; (2) imaging the area of the patient wherein the restenosis is located.

On page 58, replace paragraph 37, lines 1-7, with the following:

[37] In another preferred embodiment, the present invention provides a novel method of imaging cardiac ischemia in a patient comprising: (1) administering a diagnostic radiopharmaceutical, a MRI contrast agent, or a X-ray contrast agent ~~of Claim 11 of the invention~~ to a patient by injection or infusion; (2) imaging the area of the myocardium wherein the ischemic region is located.

On page 58, replace paragraph 38, lines 9-15, with the following:

[38] In another preferred embodiment, the present invention provides a novel method of imaging myocardial reperfusion injury in a patient comprising: (1) administering a diagnostic radiopharmaceutical, a MRI contrast agent, or a X-ray contrast agent ~~of Claim 11 of the invention~~ to a patient by injection or infusion; (2) imaging the area of myocardium wherein the reperfusion injury is located.

On page 58, replace paragraph 39, lines 17-23, with the following:

[39] In another preferred embodiment, the present invention provides a novel method of imaging cancer in a patient comprising: (1) administering a diagnostic radiopharmaceutical ~~of Claim 12 of the invention~~ to a patient by injection or infusion; (2) imaging the patient using planar or SPECT gamma scintigraphy, or positron emission tomography.

On page 58, replace paragraph 40, lines 25-29, with the following:

[40] In another preferred embodiment, the present invention provides a novel method of imaging cancer in a patient comprising: (1) administering a MRI contrast agent ~~of Claim 27 of the invention~~; and (2) imaging the patient using magnetic resonance imaging.

On page 58, replace paragraph 41, lines 31-35, with the following:

[41] In another preferred embodiment, the present invention provides a novel method of imaging cancer in a patient comprising: (1) administering a X-ray contrast agent ~~of Claim 30 of the invention~~; and (2) imaging the patient using X-ray computed tomography.

On page 77, replace paragraph 47, lines 9-16, with the following:

[47] In another more preferred embodiment, the present invention provides a novel ultrasound contrast agent composition, comprising:

- (a) a compound ~~of Claim 44 of the invention~~, comprising: an indazole that binds to the integrin $\alpha_v\beta_3$ or $\alpha_v\beta_5$ a surfactant and a linking group between the indazole and the surfactant;
- (b) a parenterally acceptable carrier; and,
- (c) an echogenic gas.

On page 77, replace paragraph 50, lines 29-34, with the following:

[50] In another preferred embodiment, the present invention provides a method of imaging cancer in a patient comprising:

- (1) administering, by injection or infusion, a ultrasound contrast agent composition ~~of Claim 44 of the invention~~ to a patient; and
- (2) imaging the patient using sonography.

On page 78, replace lines 1-5, with the following:

angiogenesis in a patient comprising: (1) administering, by injection or infusion, an ultrasound contrast agent composition ~~of Claim 42 of the invention~~ to a patient; (2) imaging the area of the patient wherein the desired formation of new blood vessels is located.

On page 78, replace paragraph 52, lines 7-12, with the following:

[52] In another preferred embodiment, the present invention provides a method of imaging atherosclerosis in a patient comprising: (1) administering, by injection or infusion, an ultrasound contrast agent composition ~~of Claim 42 of the invention~~ to a patient; (2) imaging the area of the patient wherein the atherosclerosis is located.

On page 78, replace paragraph 53, lines 14-29, with the following:

[53] In another preferred embodiment, the present invention provides a method of imaging restenosis in a patient comprising:

- (1) administering, by injection or infusion, an ultrasound contrast agent composition ~~of Claim 42 of the invention~~ to a patient;
- (2) imaging the area of the patient wherein the restenosis is located.

On page 78, replace paragraph 54, lines 21-26, with the following:

[54] In another preferred embodiment, the present invention provides a method of imaging cardiac ischemia in a patient comprising: (1) administering, by injection or infusion, an

ultrasound contrast agent composition ~~of Claim 42~~ of the invention to a patient; (2) imaging the area of the myocardium wherein the ischemic region is located.

On page 78, replace paragraph 55, lines 28-34, with the following:

[55] In another preferred embodiment, the present invention provides a method of imaging myocardial reperfusion injury in a patient comprising: (1) administering, by injection or infusion, an ultrasound contrast agent composition ~~of Claim 42~~ of the invention to a patient; (2) imaging the area of myocardium wherein the reperfusion injury is located.

On page 79, replace lines 1-2, with the following:

(a) a therapeutic radiopharmaceutical ~~of Claim 19~~ of the invention; and,

On page 79, replace lines 8-10, with the following:

(a) a diagnostic radiopharmaceutical, a MRI contrast agent, or a X-ray contrast agent ~~of Claim 11~~ of the invention; and,

(b) a parenterally acceptable carrier.